



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	Atty. Docket: SAKAI=17
In re Application of:) Conf. No.: 5726
SAKAI et al.) Art Unit:
Appln. No.: 10/518,057) Examiner:
Filed: December 16, 2004	Washington, D.C.
For: ENZYME FOR DECOMPOSTION SULFATED FUCAN DERIVED)) January 4, 2006

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents U.S. Patent and Trademark Office Randolph Building, Mail Stop Amendments 401 Dulany Street Alexandria, VA 22314

Sir:

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

- [X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed before the mailing date of a first office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 CFR §1.114.
- [X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form BN/SB/08A/B) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. Other than U.S. patent(s) and/or published U.S. application(s), which 37 CFR §1.98(a)(2)(ii) does not require to be filed

'In re Appln. No. 10/518,057

unless specifically required by the Office, a copy of each document listed is attached.

- [X] 3. Document \underline{AY} is not in the English language. In accordance with 37 CFR §1.98(a)(3), Applicant states:
 - [X] An English translation of each document <u>AY</u> (or of the pertinent portions thereof), or a copy of an English-language abstract (or claim) is enclosed.
- [X] 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).
- [X] 5. Other information being provided for the examiner's consideration follows:

Attached hereto is a copy of the Supplementary European Search Report

6. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK
Attorneys for Applicant(s)

By:

Allen C. Yun

Registration No. 37,971

ACY:pp

624 Ninth Street, N.W., Suite 300

Washington, D.C. 20001-5303

Telephone: (202)628-5197 Facsimile: (202)737-3528

Complete if Known

10/518,057

SAKAI et al.

December 16, 2001

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

(use as many sheets as necessary)		Examiner Name			
Sheet	1	of	1	Attorney Docket Number	SAKAI17

Application Number

First Named Inventor Group Art Unit

Filing Date

NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²			
	AY	SAKAI et al., Marine-bacterial endo- a -L-fucosidase and sulfatase specifically degraded sulfated a -L-fucan from sea cucumber, Japanese Society of Carbohydrate Research Nenkai Yoshishu, 136 (2002)	SUM			
	AZ	FURUKAWA et al., Production of fucoidan-degrading enzymes, fucoidanase, and fucoidan sulfatase by <i>Vibrio sp.</i> N-5, Nippon Sulsan Gakkaishi, 58(8):1499-1503 (1992)				
	ВА	DANIEL et al., Regioselective desulfation of sulfated L-Fucopyranoside by a new sulfoesterase from the marine mollusk pectin maximus, <i>Eur. J. Biochem</i> , 268:5617-5626 (2001)				
		·				
			_			

Examiner	Date	
Signature	 Considered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.